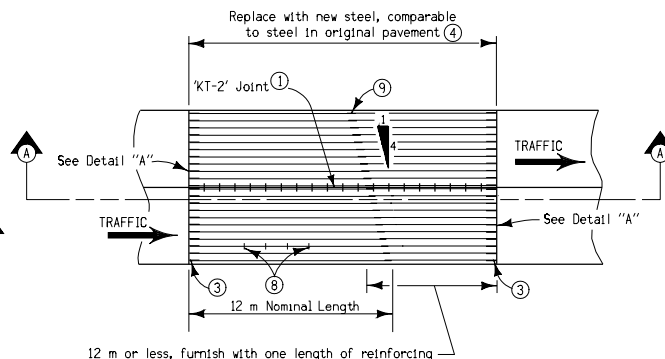
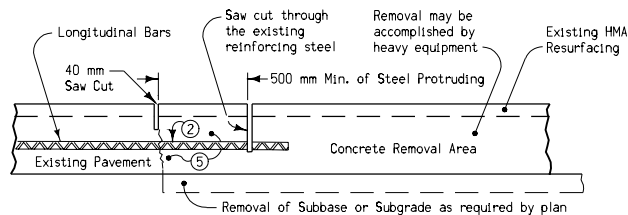


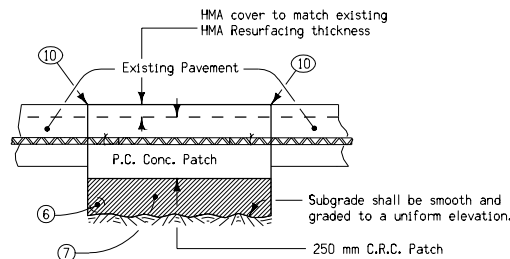
ONE LANE WIDTH PATCH



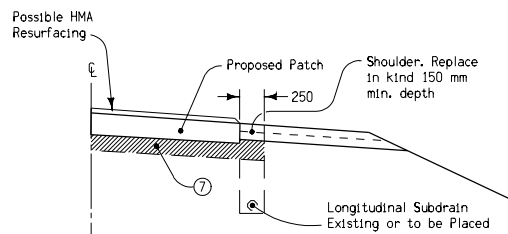
FULL ROADWAY WIDTH PATCH



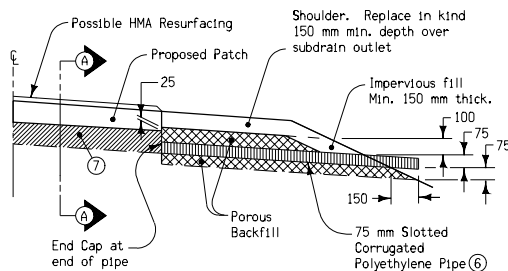
DETAIL "A"
PAVEMENT REMOVAL DETAILS
LONGITUDINAL SECTION



SECTION A-A



GRANULAR SUBBASE AND SUBDRAIN
(WHEN REQUIRED BY PLAN)
IF LONGITUDINAL SUBDRAIN IS PRESENT OR IS TO BE PLACED



GRANULAR SUBBASE AND SUBDRAIN
(WHEN REQUIRED BY PLAN)
WITHOUT LONGITUDINAL SUBDRAIN

GENERAL NOTES:

- 1 If patch is over 3 meters in length, replace tie bars. Refer to Standard Road Plan RH-51 for joint details.
- 2 Reasonable care shall be taken to preserve the 500 millimeter length of longitudinal steel when removing concrete.
- 3 450 millimeter minimum lap between existing and new reinforcing bars; 2 wire ties per lap.
- 4 Minimum length of patch 2.4 meters.
- 5 Pavement area shall be broken and removed to ensure vertical face with minimal undercut or protrusion.
- 6 If longitudinal subdrain (shoulder) is not to be placed or if not present on side of roadway to be patched, then place 75 millimeter slotted corrugated pipe at low end of patch.
- 7 150 millimeter granular subbase if required by plan. When placed, granular subbase should extend over longitudinal subdrain, if present.
- 8 Longitudinal bars shall be placed at approximately midpoint of the slab and supported at approximately 1.2 meter intervals.
- 9 Lap bars 25 diameters of steel or 600 millimeters minimum for mesh; patches 2.4 to 12 meters, no immediate lap joint; over 12 meters length, lap joint as required to not exceed 12 meter spacing.
- 10 The joint shall not be sawed nor be sealed after patch is placed.

All dimensions given in millimeters unless noted.

METRIC VERSION	M	Iowa Department of Transportation Highway Division	
		STANDARD ROAD PLAN	RR-18
		REVISION: NEW; Replaces Detail Sheet 532-7	REVISION NO. NEW
		APPROVED BY: <i>William J. Sten</i> DESIGN METHODS ENGINEER	REVISION DATE 04-30-02
		FULL DEPTH PATCH CONTINUOUS REINFORCED P.C. CONCRETE PAVEMENT COMPOSITE SECTION	